

FEB 1952 51-4AA

CENTRAL INTELLIGENCE AGENCY

CLASSIFICATION

SECRET/CONTROL - U.S. OFFICIALS ONLY
SECURITY INFORMATION

50X1-HUM

INFORMATION REPORT

REPORT

CD NO.

50X1-HUM

DATE DISTR.

18 July 1952

NO. OF PAGES

1

NO. OF ENCLS.
(LISTED BELOW)SUPPLEMENT TO
REPORT NO.

50X1-HUM

COUNTRY

Germany (Russian Zone)

SUBJECT

The Development of a New Ore-Crushing Mill at
Ernst Thaelmann, (SAG Amo) Magdeburg.DATE OF
INFO.

PLACE

THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE
OF THE UNITED STATES, WITHIN THE MEANING OF TITLE 18, SECTIONS 793
AND 794, OF THE U.S. CODE, AS AMENDED. ITS TRANSMISSION OR REVE-
LATION OF ITS CONTENTS TO OR RECEIPT BY AN UNAUTHORIZED PERSON IS
PROHIBITED BY LAW. THE REPRODUCTION OF THIS FORM IS PROHIBITED.

THIS IS UNEVALUATED INFORMATION

50X1-HUM

1. A new ore-crushing mill was developed by Edu Borns, a designer, in the latter half of 1951, at the TB 1. It is thought to be a considerable improvement over the usual Symons crusher and is to be manufactured in different sizes, replacing all the usual types of ore crushers at present in use.
2. The Borns type ore-crushing mill operates on the principle of crushing by force of impact from counter rotating shafts of manganese steel of 400 mm diameter, each with 4 carriers rotating at a speed of 800 to 1000 rpm, which throw the ore together at high speed and break it down through collision.
3. A test was made on 4 March 1952 with tin ore having a sharp edge of 400 mm. (sic). An output of 25 tons (German) per hour was obtained, in comparison with the 5 tons (German) per hour obtained with the usual Symons crushers.

Comments: Not further identified.

50X1-HUM

CLASSIFICATION

SECRET/CONTROL - U.S. OFFICIALS ONLY

| STATE | | NAVY | | NSRB | | DISTRIBUTION | | | | | | | |
|-------|---|------|---|------|---|--------------|--|--|--|--|--|--|--|
| ARMY | X | AIR | X | FBI | X | | | | | | | | |